Appl. Ser. No. 10/817,217
Reply to the Office Action mailed 19 February 2008
Reply filed 18 April 2008

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [0010] as follows:

"Entropy encoding of the AC coefficients may be performed in the following manner. The range of potential amplitudes for quantized coefficients is split into two parts. The first part is a base range for amplitudes between 1 and a convenient value A_B. The second part is an index range for the remaining amplitudes $[A_B + 1, \ldots A_{\max}]$ where A_{maxB} is the maximum, quantized coefficient amplitude. Amplitudes in the base range are encoded with a Huffman code word that represents that amplitude. The index range is further divided into a number of segments, each having a range of values corresponding to A_B. Amplitudes in the index range are encoded with a Huffman code word that represents the amplitude and an index value that indicates the segment from which they originate. If there is one or more preceding zero valued coefficients, the amplitude is encoded by a Huffman code word, and, if the amplitude is in the index range, followed by an index value, followed by another Huffman code word representing the length of the preceding run of zeros. This encoding may be applicable to forms of data other than quantized coefficient data."

Please amend paragraph [0047] as follows:

"2. $A^{wrb} = \{A_1^{wrb}, A_2^{wrb}, \ldots, A_{64}^{wrb}\}$: Non-zero amplitude coefficients in the base range, with no preceding run of zero valued coefficients. The amplitudes vary from $A_{1wrb}^{wrb} = 1$ to $A_{64}^{wrb} = 64$."

Please amend the first sentence of paragraph [0067] as follows:

"In particular, in **FIG. 10**, the coefficients **1000** for each macroblock are weighted using coefficient weighting **1002** by the fixed quantization matrix **1006**4 and any pre-scale factor **1004**6."